

ANMC Adult Ambulatory Community Acquired Pneumonia (CAP) Treatment Guideline

Most Common Etiologies	Diagnostic Criteria Tools	
<p>Bacterial: <i>S. pneumoniae</i>, <i>Mycoplasma pneumoniae</i>, <i>H. influenzae</i>, <i>Chlamydia pneumoniae</i></p> <p>Respiratory viruses (influenza A & B, adenovirus, respiratory syncytial virus, parainfluenza)</p>	<p>Adult CURB-65 score (0-1) Manage as Outpatient</p> <p>Confusion Blood Urea nitrogen > 20 mg/dL Respiratory rate ≥ 30 breaths/min Blood pressure: SBP < 90 or DBP ≤ 60 mmHg Age ≥ 65 years</p>	<p><i>Respiratory distress & hypoxemia on room air is a mitigating factor for admission in adults, children and infants.</i></p>

Symptoms	Testing/Imaging	Duration of Therapy
<p>Productive cough Chest pain Dyspnea/Shortness of breath Diminished breath sounds Crackles not cleared with coughing Abdominal pain +/- fever</p>	<p>Chest x-ray; Pulse Oximetry</p>	<ul style="list-style-type: none"> Typically healthy, no structural lung disease: 5 days Moderate immunocompromised, moderate structural lung disease (ie. diabetes, asplenia): 7 days

Antibiotic Selection

Treatment Selection

	Preferred Treatment	Alternatives
<p>All adult patients, including those with: chronic heart, lung, liver, or renal disease; bronchiectasis; diabetes mellitus; alcoholism; malignancies; asplenia</p> <p>Immunosuppressing conditions or use of immunosuppressant medications; Repeat COPD exacerbations with frequent steroid or abx use.</p> <p>Antimicrobial use within the previous 3 months</p>	<p>Amoxicillin 1g TID x 5 – 7 days PLUS Azithromycin 500mg daily x 3 days</p>	<p>If non-anaphylactic PCN allergy: Cefuroxime 500mg BID x 5 – 7 days PLUS Azithromycin 500mg daily x 3 days</p> <p>If anaphylactic PCN allergy: Levofloxacin 750mg daily x 5 days</p>

CONSIDERATIONS

In previously healthy individuals with no recent antibiotic therapy within previous 3 months, and no risk for drug-resistant *S. pneumoniae*, Doxycycline 100mg PO BID monotherapy may be considered.

Cefuroxime may be substituted with cefpodoxime 200mg PO BID

Antimicrobial Stewardship Program Approved 2016

REFERENCES: Mandell IDSA/ATS Consensus Guideline CAP in Adults CID 2007;44(Suppl2)